



- Notes:
- 1) UPS ships with Inputs 1 and 2 jumpered for single input use. Remove jumpers for dual input applications..
 - 2) Battery connections consist of +, - and N (center tap). Internal and/or external batteries may be used. Contact factory for configurations.
 - 3) Maximum of 2 power modules for capacity or redundancy may be used in the UPS. All modules power ratings must be the same. Both 50kVA and 70kVA modules may not be used in the same UPS cabinet at the same time.

X-TREME	PROJECT X90-2S		
	TITLE X90-2S One-Line Diagram Preliminary		
APPROVED	SIZE	CODE	DWG NO
CHECKED	A		X90-2S-OND-480-480
DRAWN	JB	7/2/2021	SCALE 1:1
			WEIGHT
			SHEET 1/2

REV
1



UPS Rating	kVA	50	70	100	140
	kW	50	70	100	140
Voltage	Input	480	480	480	480
	Output	480	480	480	480
AC Rectifier Input (A)	Nom	62	87	124	174
	Max	73	98	146	196
	Rec OCPD	80	125	175	250
AC Bypass Input (A)	Nom	60	84	120	168
	Max	60	84	120	168
	Rec OCPD	80	125	150	250
Battery	Nominal VDC	+/- 240	+/- 240	+/- 240	+/- 240
	Max DC Current	110	154	220	309
AC Output (A)	Nom	60	84	120	168
	Rec OCPD	80	125	150	250
BTUs/Hr (max)		7290	10205	14579	20410
Dimensions	23.6"W x 42"D x 79.1"H (600mmH x 1066mmD x 2010mmH)				
Installed Weight	Chassis + Power Modules	761 lbs (345kg)	762lbs (345kg)	865lbs (392kg)	867lbs (393kg)
	Battery Modules	70lbs (31.7kg) each			

Notes:

- 1) Manufacturer recommends sizing all cables and overcurrent protection for maximum kVA of the UPS cabinet being installed to allow for future expansion.
- 2) UPS must be installed in accordance with all local, state and national electrical codes.
- 3) Ground conductor to be sized per NFPA 70 250.66.
- 4) Max currents are based on nominal current plus max battery charge current and are not considered continuous per NEC code.
- 5) DC current listed is average DC current.
- 6) Power and battery modules ship on separate pallet from electronics chassis.
- 7) Recommended clearances: 36" (914.4mm) front and top
- 8) Recommended torque on terminals: 60 lb-in

X-TREME

PROJECT

X90-2S

TITLE

X90-2S One-Line Preliminary

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SCALE 1:1

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SHEET 2/2

